

REMARKS

Reconsideration of the pending application is respectfully requested on the basis of the following particulars:

Rejection of claims 1-10 under 35 U.S.C. § 112, second paragraph

Claims 1-10 presently stand rejected as being indefinite. In particular, the examiner notes several phrases lacking proper antecedent basis. It is respectfully submitted that these issues have been corrected by present amendments to the claims.

Regarding the examiner's indication that "the detection" recited in claim 6 lacks antecedent basis, Applicant notes that antecedent basis for "the detection" is provided in claim 1 by the recitation "enabling the driver program to activate said wireless connection device **to detect** [...]."

With regard to the rejection of claim 10, Applicant notes that claims 9 and 10 are presently cancelled.

Rejection of claims 1-10 under 35 U.S.C. § 103(a)

Claims 1-10 presently stand rejected as being unpatentable over Fujisawa et al. (U.S. 6,999,381) in view of Chavez, Jr. (U.S. 6,298,240). This rejection is respectfully traversed for at least the following reasons.

The presently claimed invention provides a control method for setting up the operation time of a wireless connection device (12). Referring to FIG. 1 of the present application, a driver program (11) on a computer device (1) has a detection control software (13) capable of setting a detection operation time of the wireless connection device (12), such that when the computer device (1) is booted, the detection control software (13) will determine whether or not the internal clock of the computer device (1) has reached the detection operation time according to a predetermined setup value of the detection operation time. If yes, the wireless connection device (12) will be turned on

immediately through the driver program (11), so that the wireless connection device (12) starts its detection within a limit distance of the search range and searches for any connectible wireless electronic device (2), and when the detection operation time ends, the detection control software (13) will turn off the wireless connection device (12) through the driver program (11).

According to the present invention, unnecessary power consumption of the computer device (1) can be saved, and the impact of long-time exposure to radiation caused by the electromagnetic wave of the wireless connection device (12) on a human body can also be avoided. In addition, turning on or off the wireless connection device (12) at appropriate time can extend the life of use of the wireless connection device (12).

Fujisawa discloses a radio-controlled timepiece (1) having a stepping motor unit (3) and an external wireless information reception unit (2) for receiving a carrier wave with time information. Referring to Fujisawa's FIG.1, the stepping motor unit (3) has a magnetic field evaluation unit (54) for detecting whether or not an external magnetic field is present and outputting a signal indicative of whether or not such an external magnetic field is present.

The external wireless information reception unit (2) has an antenna (21) for receiving external wireless information and a receiving circuit (22) for processing external wireless information received from the antenna (21). A reception controller (55) controls the external wireless information reception unit (2) according to the external-magnetic-field-detection signal output from the magnetic field evaluation unit (54).

However, the detected magnetic field which is detected by the magnetic field evaluation unit (54) is not the wireless information received from the antenna (21), but is a source of interference. Accordingly, wireless information received when such a magnetic field is present may be concluded to be invalid. (See *Fujisawa*; col. 1, lines 40-47).

Fujisawa discloses that when an "external-magnetic-field-detected signal is output in the external magnetic field detection step, the received information processing step is

controlled by the reception control step, for example, received information processing is prohibited or the received information is invalidated" (*Fujisawa*; col. 9, lines 59-64).

Detection of an interfering magnetic field is fundamentally different from activating a wireless connection device to detect any wireless electronic device for online connection, as claimed.

*Fujisawa* provides no teaching or suggestion of turning on or off a wireless connection device according to a detection time.

*Fujisawa* disclose that "to receive time information and adjust the time, the user first performs a force-reception operation to force starting the reception operation for time adjustment (ST50). This force-reception operation unit to start the reception operation even though it has not reached the reception time set in the reception cycle controller 58 by operating an external operating unit such as the crown disposed on the outside of the radio-controlled timepiece 1. It should be noted that starting reception shall not be limited to the force-reception operation (ST50), and could be automated reception starting reception automatically when a specific time is reached" (*Fujisawa*; col. 23, lines 42-52).

Thus, *Fujisawa* operates the receiver either upon user command, or according to a repetitive schedule. However, this does not provide any teaching or suggestion of the claimed detection function, or turning on or off a wireless connection device according to a detection operation time, or turning on or off a wireless connection device according to a detection within a detection operation time.

Further, as the examiner acknowledges, *Fujisawa* does not disclose or suggest detecting within a limit distance of searching range and searching for any wireless electronic device for online connection and shutting down said wireless connection device if the end of the predetermined detection operation time is reached.

Turning to Chavez, Chavez fails to disclose or suggest the elements discussed above lacking from *Fujisawa*. Moreover, there is no motivation or suggestion to modify or combine these references. Therefore the combination of *Fujisawa* and Chavez do not form a prima facie case of obviousness of the claimed invention.

Referring to Chavez's FIG.1, Chavez disclose a wireless terminal which is able to dynamically position itself into a terminating ring group (113~114) or remove itself from the terminating ring group (113~114) based on a specific location of the wireless terminal (102~109).

The wireless terminal (102~109) positions itself into the terminating ring group (113~114) by communicating information with other wireless terminals (102~109) already in the terminating ring group (113~114). This communication is controlled by a controlling wireless terminal with which the wireless terminal (102~109) first communicates upon entering the location. The wireless terminal (102~109) determines its position by communication with a fixed unit (117) assigned to the location of terminating ring group (113~114). Upon determining that it is leaving the location, the wireless terminal (102~109) transmits a message to controlling wireless terminal to inform it of this fact. In turn, the controlling wireless terminal transmits messages to the other wireless terminals (102~109) to inform them of the departure of the wireless terminal (102~109).

However, Chavez does not disclose or suggest automatically turning on or off an wireless connection device according to a detection operation time being set in the fixed unit (117) or base stations (121~122). More particularly, Chavez provides no teaching or suggestion of turning on or off a wireless connection device according to a detection time.

In fact, Chavez does not disclose or suggest any action that results in turning a wireless terminal, or any other component, on or off in response to the terminal's entering or leaving the terminating ring group.

It can thus be seen that both Fujisawa and Chavez fail to disclose or suggest turning on or off a wireless connection device according to a detection operation time, or turning on or off a wireless connection device according to a detection within a detection operation time.

Moreover, there is no motivation or suggestion for the combination of these references. The time-piece of Fujisawa has no relationship to a network operation, since the time-piece does not communicate with other devices but simply receives a broadcast

time signal. Persons of ordinary skill in the art would find no reason to turn to the teachings of Chavez, since the dynamic positioning of a wireless terminal in a terminating ring group simply has no application to the simple reception of a broadcast signal.

Chavez's method requires the wireless terminal to implement a wireless protocol, and to transmit various signals or messages to negotiate its entry into, or exit from, the terminating ring group. Fujisawa has no transmitter, but only a receiver for receiving the time signal. Fujisawa has no need for a transmitter.

On the contrary, the addition of a transmitter to Fujisawa would only add weight and increase power consumption, with no apparent gain (neither Fujisawa nor Chavez provides any teaching or suggestion as to why a transmitter could benefit a time-piece).

Accordingly, there is no motivation or suggestion for the combination of these references which are related to such disparate fields.

For at least the foregoing reasons, it is respectfully submitted that Fujisawa and Chavez fail to form a *prima facie* case of obviousness of claims 1-8. Therefore, it is respectfully submitted that claims 1-8 are allowable over the cited references, and withdrawal of the rejection is requested.

### Conclusion

In view of the amendments to the claims, and in further view of the foregoing remarks, it is respectfully submitted that the application is in condition for allowance. Accordingly, it is requested that claims 1-8 be allowed and the application be passed to issue.

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Examiner: A. Seye  
Art Unit: 2194

If any issues remain that may be resolved by a telephone or facsimile communication with the Applicant's attorney, the Examiner is invited to contact the undersigned at the numbers shown.

Respectfully submitted,

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